

AMENDMENTS TO THE SPECIFICATION

Please replace the second full paragraph on page 14 with the following amended paragraph:

Here, N_p is expressed as:

$$N_p = N_{p1}/V. \quad \dots \quad (12)$$

Further, K_c is determined through the comparison of and analogy from FIGS. 4 and 5, and based on some of the data not shown here. In the calculation of K_c based on FIGS. 4 and 5, and some of the data not shown here, the value of $K_c = 0.004$ has been obtained. The diameter of the particle D_p and the scattering cross-sectional area Φ can be related with each other by Formulae (7) and (9). Hence, the light-extraction efficiency E_{out} is:

$$E_{out} = \exp\{-(\Phi N_p L_G K_c)\} \quad \dots \quad (13)$$

Please replace the first full paragraph on page 29 with the following amended paragraph:

BER is an index for indicating the level of disagreement between a digital signal received by the receiver and the original digital signal when a random digital signal is transmitted through a certain communication medium, and is expressed as:

$$\text{BER} = \text{Biter/Bits} \quad \dots \quad (30)$$

where, Bits is the number of bits transmitted, and Biter is the number of bit errors.